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The Annual Soiree.

The Annual Exhibition of Microscopes and Objects took place in connection with the State Microscopical Society of Illinois, Thursday evening, August 9, at the elegant and spacious house of the Calumet Club, which was generously tendered to the Societies for the purpose. This popular and enjoyable feature of the annual gathering was, both in the number of instruments and in the character of the exhibitions, superior to any in the history of the Society. There were two hundred and fifty microscopes in position and every convenience of light and room afforded for exhibiting objects to the hundreds of guests.

The exhibition tables were wisely arranged in the large reading-room on the first floor, and in the card-room on the second floor. The exhibitions of objects by means of the stereopticon were witnessed in appropriate rooms on the third floor.

On the first floor were one hundred and forty linear feet of tables, so placed, that the guests all entering at one door, must pass around the whole to reach the place of exit. On the second floor there were one hundred and thirty-two linear feet of tables placed in a similar manner to those on the first floor. The tables were of sufficient width to permit of use by exhibitors on both sides. Two small rooms adjoining the main hall, on the second floor were also used by exhibitors.

Each exhibitor was supplied with a lamp, giving him complete control of the necessary illumination; by the side of each instrument the following properly filled card was placed:

CONVERSAZIONE OF THE
American Society of Microscopists,
 AND THE
State Microscopical Society of Illinois,
 AT THE
 CALUMET CLUB HOUSE, CHICAGO,

(NUMBER.....) AUGUST 9, 1883.

—o—

Exhibit by

8 to 9 o'clock

9 to 10 o'clock

Maker of Stand

Objective *Inch*

The advantages of this uniform label giving the information that every observer first wanted to know are patent. Another card was placed here and there on the tables, bearing the legend, "Do not handle the microscopes." Each microscope had been assigned, by the committee of arrangements, a number, which, printed on a card, was fastened to the place assigned for the instrument. Each exhibitor had been supplied with a tag, as follows:

YOUR NUMBER ON THE TABLE IS

308

CALUMET CLUB HOUSE

Microscopical Soiree,

CHICAGO, August 9, 1883.

Keep this attached to your case.

The door-keeper will direct you to your table.

NAME

ADDRESS

It will be seen that this facilitated the placing of the instruments when sent to the Club house. It will appear on inspecting the card printed above, that one object was to be exhibited from 8 to 9 o'clock and another from 9 to 10 o'clock. This is better certainly, than an unlimited number of exhibits changed at any time.

The committee having charge of the arrangements, were B. F. Nourse, *Chairman*, H. W. Fuller, B. W. Thomas and W. H. Adams. To these gentlemen, is due largely, the credit for this very successful conversazione.

It may be useful to future committees to have a brief record of the general action of this year's committee in securing the data for their cards, etc.

They first issued to members of the Society, the following circular and blank to be filled and returned:

State Microscopical Society
OF ILLINOIS.

CHICAGO, June 30, 1883.

Dear Sir :

The Annual Convention of the American Society of Microscopists will be held in this city, commencing August 7th. The Calumet Club have tendered the use of their elegant and spacious Club House for a Microscopical Soiree on the evening of Aug. 9th. All Microscopists are invited to assist on that occasion. The committee having charge of the affair, desire to ascertain how far they can rely upon the co-operation of members and others; the number of Microscopes for which to provide tables and illumination; and to obtain the information required for making proper arrangements. Exhibitors can materially aid the committee and contribute to the enjoyment and instruction of the evening, by taking charge of their Microscopes during the entertainment, and by explaining the objects which they exhibit. Your co-operation is solicited, and you will oblige the committee by filling up the accompanying blank and returning it to

B. F. NOURSE,
Chairman Committee on Microscopical Soiree,
24 AND 26 MICHIGAN AVE.,
CHICAGO.

The enclosed blank read as follows:

~~23~~ Please fill up this Blank and return to

B. F. NOURSE,

Chairman Com. State Microscopical Society,

24 & 26 Michigan Ave.,

CHICAGO.

Name.....

Address.....

Will you bring your Microscope to the Calumet Club House, corner of Michigan Boulevard and Twentieth Street, at 7 P. M. August 8, 1883.

Description of Microscope.....

Maker.....

Please name two objects of special interest for exhibition from 8 to 9 o'clock P. M. and from 9 to 10 o'clock P. M.

Exhibit from 8 to 9 P. M......

“ from 9 to 10 P. M.

Objective..... **Maker**.....

(It is suggested that only low powers be used.)

Will You Bring your Lamp?.....

Microscopes and Lamps may be sent to the Calumet Club House, corner Michigan Boulevard and Twentieth Street on Aug. 9th, after 8 o'clock A. M.

A similar circular was sent to members of the State Microscopical Society of Illinois, and to certain microscopists, not members of either society. The responses to the above, not coming to hand with desirable promptness, the committee issued the following, on postal cards:

STATE MICROSCOPICAL SOCIETY OF ILL.,

CHICAGO, July 26th, 1883.

Dear Sir :

To date, your reply to our Circular of June 30th has not come to hand. The envelope containing Circular, enclosed also a blank, to be filled up and returned. If you never had the work of an entertainment of this kind on your hands, you may not be aware of the importance of prompt reply to the Committee's Circular. In order that details (place on table, space required, arrangement and classification of objects, number of lights,

Respectfully,

**MICROSCOPICAL SOIREE AND RECEPTION,
CALUMET CLUB HOUSE, AUG. 9, 1883.**

24 MICHIGAN AVE.,
Chairman Committee.

The Calumet Club issued invitations to all members of the American Society of Microscopists and of the State Microscopical Society of Illinois. Attendance was confined to the Societies and the Calumet Club.

Chas. Shepard.....	1	Minerals.
	2	Metals.
A. Ebert.....	1	Foot of spider.
	2	Arranged diatoms.
Alexander Sterl.....	1	Eye of butterfly.
	2	Cross section of optic nerve of ox.
Salmon Hudson.....	1	Leg of diamond beetle.
	2	Calcareous corpuscles from the pedicellariæ of <i>Echinus</i> .
Alfred C. Thomas.....	1	Fresh flowers and pollens.
	2	Fibres used in textile fabrics.
E. J. Hill.....	1	Mosses.
	2	Plant hairs.
F. M. Hamlin.....	1	Wheels of <i>Chirodota</i> of Bermuda.
	2	Phosphate of lime (polariscope).
	1	Anchors and plates of <i>Synapta</i> .
	2	Spicules of <i>Gorgonia</i> .
J. J. M. Augear.....	1	Mite found in chicken.
	2	Bird nest fungus.
	1	Tallow and cotton-seed oil.

- 2 Fatty acids (polariscope).
- 1 Pure lard “
- 2 Fatty acids “
- 1 Adulterated lard.
- 2 Fatty acids.
- 1 Lard from the market.
- 2 Fatty acids.

- E. H. Griffith..... 1 Arranged diatoms.
- 2 Fine silk cloth.
- 1 Fern-leaf copper crystals.
- 2 Flower seeds.
- 1 Silver crystals.
- 2 Scales of butterfly.
- 1 Fern-leaf gold crystals.
- 2 Arranged butterfly scales.

- R. N. Reynolds..... 1 Cider vinegar.
- 2 The Malpighian bodies of the kidneys.
- 1 Section of brain of cat.
- 2 Section of lip of rat.
- 1 Sour bread.
- 2 *Trichina spiralis* in pork.

- L. D. McIntosh..... 1 *Arachnodiscus Ehrenbergii*.
- 2 Tongue of *Dolichopus*.
- 1 Eye of beetle, showing multiple images.
- 2 Micro-photograph of the ten commandments.
- 1 Eggs of a parasite of the peacock.
- 2 Gizzard of a flea.
- 1 *Daphnia pulex*.
- 2 Larva of Mosquito (living).
- 1 Circulation of blood in frog's foot.
- 2 “ “ “
- 1 *Polycystina*, Barbadoes.
- 2 Microscopic writing on glass with diamond.

- 1 *Licmophora flabellata* on alga.
- 2 *Foraminifera* from Cuxhaven.
- 1 Arranged spicules of *Chirodota* or *Synapta*.
- 2 Blood of Frog, double stained.
- 1 Platino-cyanide of Ytrium.
- 2 Arranged sections of *Echinus* spines.
- 1 Fatty acid.
- 2 Scales of eel.
- 1 Circulation of blood in frog,
- Edward Bausch 1 Arranged diatoms.
- 2 " "
- 1 Iron pyrites.
- 2 Elytron of diamond beetle.
- 1 Micro-photograph, "Loan of a bite."
- 2 " English homestead.
- 1 Colored sand.
- 2 *Tingis hyalina*.
- 1 Butterfly scales forming vase.
- 2 " " " bouquet.
- 1 Tongue of insect.
- 2 Granite from N. Y. State Capitol.
- W. H. Bulloch 1 Section of rosewood.
- 2 " " Derbyshire coal.
- 1 Human whiskers.
- 2 Quinate of quinia (polarizer).
- 1 Abbe's diffraction plate.
- 1 Eye of fly.
- 2 Lord's Prayer written with diamond.
- 1 Photograph 1st President of the A.S.M.
- 2 " of President Jas. A. Garfield.
- John Bartlett 1 Palmellæ (*Hydrogastrum*), the assumed
cause of ague, and associated fun-
goid growths.
- 2 A beetle one line in length which feeds
upon the above.

- B. W. Thomas.....1 Lake shore sand.
 2 Elytron of diamond beetle.
 1 Circulation of blood in frog.
 2 " " "
- H. A. Johnson.....1 Section of lung.
 2 " " kitten's foot.
 1 " " spinal cord.
 2 " " small intestine.
- Henry W. Fuller.....1 Arsenic.
 2 Calomel.
 1 Spicules of *Gorgonia*, assorted.
 1 Berberin.
 2 Chloride of copper.
- J. G. Langguth.....1 Ditch skater.
 2 Spider.
 1 Parasite of fly.
 2 Vinegar eels.
 1 Spicules of *Gorgonia*.
 2 Arranged diatoms.
 1 Electric spark.
 1 Section of tooth.
 2 Human skin, tanned.
 1 Photograph "Times."
 2 " Ten Commandments.
 1 Tiger beetle.
 2 Diamond beetle.
 1 Monopon of fowl.
 2 Section of poplar.
 1 Section of tongue of kitten.
 2 Tanned skin of buffalo.
- Edward A. Renwick.....1 Seeds of petunia.
 2 Stellate hairs *Alyssum calycinum*.
- J. S. Knox.....1 *Diaptomus sanguineus*.
 2 Fifth pair of legs of male *Diaptomus*.

- F. W. Mercer.....1 Skin of infant.
2 Ear—leprosy.
- A. A. Libby, Jr.....1 Striated muscular fibre.
2 Blood of ox.
- Geo. E. Blackham.... .1 Silver.
2 Wing of butterfly.
- Børne Bettman.....1 Cancer of skin.
2 Drunkard's liver.
- James Colgrove.....1 Cyclosis in cells of *Vallisneria*.
- William Humphrey.....1 *Pleurosigma angulatum*.
2 *Surirella gemma*.
1 Cedar wood.
2 Tracheal system of insect.
- W. G. Blish.....1 *Hydra viridis*.
- E. P. Davis.....1 Double injected lung.
- J. D. Hyatt.....1 Section of chalcedony (polariscope).
2 “ “ wavellite.
- F. S. Newcomer.....1 Arranged diatoms. (Newcomer.)
2 Sponge spicules.
- F. R. Day.....1 Head of *Tenia mediocancellata*.
- Walter L. Dorland.....1 Head of *Tenia mediocancellata*.
- J. O. Stillson.....1 Circulation of blood in the lungs of a
frog.
- R. Tilley.....1 Auditory apparatus of mosquito.
2 Human gray hairs.
- H. D. Valin.....1 Jointed hairs of cactus.
2 Wing of bat.
- Adolph Feiel.. . . .1 Trans-section of tongue of cat.
2 Section of human skin.

- Chas. S. Fellows.....1 *Limnocolinus* (male and female).
2 Fifth pair of legs of the same.
- J. Frank.....1 Cat's kidney.
2 Statue of Richard II (photograph).
- F. Gaylard.....1 Fresh flowers.
- Geo. M. Higginson.....1 Fresh flowers.
- William Henry Adams....1 Fresh flowers.
- Henry P. Harned.....1 Fresh flowers.
- Chas. M. Higginson.....1 Silver wire.
2 Magnetited mica.
- Frank P. Peck.....1 Fatty infiltration of perivascular cyst-
walls.
2 Corpuscles of glüge.
- H. D. Kendall.....1 Arranged butterfly scales.
2 Elytron of beetle.
- T. J. Burrill 1 Leaf mite.
2 Rust on rose leaf.
- F. M. Atwood.....1 Whalebone (polarizer).
- Lotta Park.....1 "Army visitor," head louse.
2 "Unwelcome guest," head of bedbug.
- Samuel J. Jones.....1 Pure cinnabar.
2 Cinnabar, sulphur in excess.
- Siremba Shaw.....1 Arborescent silver.
2 Dentist's crystal gold.
- Alfred C. Stokes.....1 President Calumet Club (shown
through the eye of a beetle).
2 Dr. H. A. Johnson, (").
- E. P. Murdock.....1 *Foraminifera* from the Adriatic Sea.
2 Arranged diatoms.

- C. Wellington.....1 Rove Beetle.
2 Young oyster shells in motion (polarized).
- Frank S. Johnson.....1 Deep sea soundings.
2 Section of the vocal cords.
- Lewis M. Eastman.....1 Eggs of *Trichocephalus affinis* in liver of the rabbit
- Chas. Gilman Smith... ..1 Section of kidney.
2 Section of negro's skin, showing the color line.
- Christopher B. Johnston...1 Ethel aether of gallic acid (new).
- S. M. Mosgrove.....1 Section of scalp.
2 Pollen of tiger lily.
- John E. Hurlbut.....1 *Lacinularia socialis*.
2 *Pelomyxa villosa*.
- Mrs. B. F. Nourse.....1 Scales of a mosquito which infests the marshes of Long Island.
2 *Charanthes elegans*.
- Albert McCalla.....1 Olivine from the Emmett Co. Iowa meteorite by polarized light.
2 Trans-section of a cherry.
- W. H. Walmsley.....1 Pollen of *Abelmoschus manihot*.
2 Crystals of amigdaline (polariscope).
- Henry Gradle.....1 *Authrax bacillus*—culture on blood-serum.
- Rev. F. W. Taylor.....1 Double stained trans-section of the stem of swamp oak.
2 Crystals of platino-cyanide of magnesium.
- James Hawkins.....1 Sporangia of California gold fern.
2 Antennæ of beetle.

- Chas. W. Purdy.....1 Section of the suprarenal capsule
(human).
2 Section Scotch larch.
- E. S. Clark.....1 Cheese mite.
2 Meat mite.
- Lyman Ware.....1 Optic papilla (injected).
2 Meibomian glands of rabbit.
- Robert Aberdein.....1 *Synedra superba* on Confervæ.
2 Platino-cyanide of magnesium.
- Wm. H. Summers.....1 Arranged diatoms.
2 Salicine (polariscope).
- P. S. Hayes.....1 Oxalate of calcium in uric acid crystal.
2 Micro-spectroscope—blood absorption
bands.
- Jacob Redding.....1 Alveolar sarcoma of humerus.
- John H. Lobdell.....1 *Cyclops quadricornis*.
2 Chicken cholera mite.
- J. Fred. Clarke.....1 Elytron of tiger beetle.
2 Spicules of *Gorgonia*.
- Sarah Hackett Stevenson...1 Endothelium from the omentum of a
Guinea pig.
- Walter Kempster.....1 Injection of medulla.
2 “ “ tongue.
- J. B. Shaw.....1 Arranged diatoms.
- Frank H. Sellers.....1 Cyclosis in cells of *Vallisneria*.
2 *Polycistina*.
1 Blood of *Proteus*.
- W. H. Forwood.....1 Arranged diatoms.
- Ransom Dexter.....1 Malpighian bodies of the kidney.
2 Head of *Cysticercus*.

- Chas. G. Fuller.....1 Crustacea, living, from the Chicago
water supply.
- H. H. Badger.....1 Wing of house fly.
2 Foot of spider.
- J. L. Shelton.....1 Circulation of blood in frog.
- I. N. Danforth.....1 “ “ “
- Frank Cary.....1 “ “ “
- Lizzie Nichols.....1 “ “ “
- Marie Mergler.....1 “ “ “
- Wm. Henry Adams.....1 Fresh cultivated flowers.
2 “ prairie “
- Frank L. James.....1 Injected sections—human histology.
1 Crystals of salicine (polariscope).
2 Injected sections.
- Henry Mills.....1 Cyclosis in *Anacharis Canadensis* (high
power).
2 Statoblasts of fresh-water sponge.
1 “ “ “
2 Diatomaceen Typen Platte.
- Geo. C. Taylor.....1 Scales of Spanish moss.
2 Human and amphiuma blood com-
pared.
1 Sections of spines of *Echinus*.
- Lester Curtis.....1 Tactile corpuscles.
1 Tactile hairs of a Rat.
- Geo. E. Fell.....1 Bronchus of sheep.
2 Crystalized gold.
1 Vertical section of human skin, show-
ing sweat ducts.
2 Lung of cat injected.

- | | | |
|-------------------------|---|---|
| Edward Pennock..... | 1 | Photograph of moon. |
| | 2 | “ “ President Garfield and Mrs. Garfield. |
| | 1 | Photograph of W. B. Carpenter. |
| | 2 | Crystals of chrome alum. |
| | 1 | Pitch stone. |
| | 2 | <i>Draparnaldia glomerata</i> . |
| | 1 | Shells from chalk. |
| | 2 | Fossil diatoms—Nottingham |
| | 1 | Arranged butterfly scales. |
| | 1 | Chlorophyll in leaves of moss. |
| | 1 | Feathers of humming bird. |
| | 2 | Tongue of blow-fly. |
| | 1 | Diatoms. |
| L. R. Sexton..... | 1 | Scales from leaves of <i>Shepherdia Canadensis</i> . |
| | 2 | <i>Isthmia nervosa</i> . |
| | 1 | Buds of <i>Tamarix Africana</i> . |
| | 2 | Blossoms of sorrel. |
| | 1 | Sori of fern. |
| | 2 | Seeds of varnish tree. |
| | 1 | Diatoms from Eastern Mass. |
| | 2 | Pollen of hollyhock. |
| | 1 | Mouth of spider. |
| | 2 | Foot of spider. |
| | 1 | Crystals of native gold. |
| | 2 | “ “ silver. |
| | 1 | Diatoms—Virginia. |
| | 2 | Heliotrope. |
| Prof. W. A. Rogers..... | 1 | Glass spiral threads produced by a ruling diamond. |
| | 1 | Same. |
| | 1 | Same. |
| | 1 | Curved lines formed by intersection of straight ones, which illustrate action of perfect diamond. |

- 1 Same.
- 1 United Coast Survey standard centimeter. Shown with Tolles' opaque illuminator.
- L. Manasse..... 1 *Polycystina*.
- 2 *Cyphus trigropnistatea*.
- 1 Fern-leaf copper.
- 2 Glass-sponge.
- 1 Scales of moth.
- 2 Feathers of humming bird.
- 1 Native gold.
- 2 *Heteromeyenia argyrosperma* (Calumet-river).
- 1 *Polycystina* (Barbadoes).
- 2 *Meyenia Leidyi* (Schuylkill river).
- 1 Scales of moth.
- 1 Sponge spicules.
- 2 *Isthmia nervosa*, *Aulacodiscus Kittonii*, etc.
- 1 *Carterius tubisperma*.
- 2 *Stephanodiscus Niagarae*.
- J. H. Tebbets..... 1 Scirrus breast.
- 2 Cirrhosis of pancreas.
- S. P. Black..... 1 Circulation in tad-pole.
- 2 Copper ore from Lake Superior.
- W. S. White..... 1 Second wing of Brazilian butterfly.
- 2 India silk.
- 1 Micro-photographs, Washington, Lincoln and Garfield.
- S. W. Wetmore..... 1 Section human lung.
- 2 " " liver.
- A. H. Chester..... 1 Prism of gold.
- 2 Native crystals of gold.

- T. S. Up de Graff.....1 Transverse section of *Begonia* stem.
2 Duodenum of frog, injected.
- J. A. Jones.....1 Adulteration by flour in "Colman's
mustard."
1 Oil contained in cloves.
1 Adulterations in use in ground spices,
commonly known as "P. D's."
1 Pure ground cassia.
1 Refuse from glucose factory used to
adulterate ground spices.
- J. H. Hollister.....1 Artificial injection of brain.
2 Capillary injection mucous membrane.
- C. S. Fellows.....1 Crustacea from Lake Michigan.
2 *Diaptomus*, male and female.
- J. A. Nourse.....1 Adulteration in ground black pepper,
with pure pepper.
- E. B. Stuart.....1 Adulteration in ground cloves, with
pure cloves.
- B. F. Nourse.....1 Flea from dog.
2 Sands from Colorado.

The following objects were shown with the McIntosh Solar Microscope and Stereopticon combination with "Ether oxygen light." The instrument was operated by Dr. L. D. McIntosh.

Sections: cat's stomach, human stomach, human kidney, human lung, human liver, human scalp.

Living animals: *Daphnia pulex*, water tiger, mosquito larva.

Mounted insects: Bed-bug, flea, mosquito, honey-bee, dragon-fly.

The following specimens exhibited by Dr. McIntosh were furnished by Mr. W. H. Walmsley:

Lower jaw of Mole, section of Echines spines, marine algae, young oysters moving, sting and poison-sac of honey-bee, water spider.

Micro-photographs were shown as follows:

Head-louse, *Trichina spiralis*, itch mite, sheep-tick, scales of *Le-pisma saccharina*, eye of horse-fly, crystals of amygdalin, section of stem of clematis, section of screw-pine, *Arachnodiscus ornatus*, *A. Ehrenbergii*, *Isthinia nervosa*, *Heliopelta*.

In another department, Col. A. F. Stevenson showed by his projection microscope, various well prepared objects. The instrument is a superior one. The illumination was by the Edison Electric light. Some of the objects were the following:

The formation of crystals from solution, sections of minerals, eye of fish, skin of foetus, ear of foetus, skin of scalp, section of healthy lung, diseased (phthisis) lung.

NOTE.—Some of the cards containing the data for the above record were destroyed before they reached the hands of the Publication Committee, so that the list is not quite complete.